

10/584477

15

IAP2 Rec'd PCT/PTO 23 JUN 2006

Claims

1. Wound dressing for covering bleeding wounds, said wound dressing being present as ready-made product and comprising a carrier material containing adrenaline or one of its pharmaceutically acceptable salts.
2. Wound dressing according to claim 1, characterised in that the carrier material contains at least one further vasoconstrictive medicinal substance selected from the group of the sympathomimetics.
3. Wound dressing according to any one of the preceding claims, characterised in that the carrier material contains, in addition, at least one astringent or/and haemostatic substance.
4. Wound dressing according to any one of the preceding claims, characterised in that the carrier material contains at least one further active substance which promotes wound healing but has no vasoconstrictive effect.
5. Wound dressing according to claim 4, characterised in that the further active substance(s) is/are selected from the group comprising amino acids, especially glycine, as well as peptides, enzymes, lymphokines, coagulation factors, anti-inflammatory substances, vitamins, polysaccharides and skin caring substances.
6. Wound dressing according to any one of the preceding claims, characterised in that the carrier material is selected from the group comprising wovens, interlaced yarns or crocheted fabrics, knit fabrics, nonwovens, papers, absorbent gauze, wadding, and compresses, as well as combina-

tions of the afore-mentioned materials, with cotton fabrics, viscose fabrics, cotton-viscose blended fabrics, synthetic fibre wovens, synthetic fibre nonwovens, cotton wadding and viscose wadding, and gauze-wadding compresses being especially preferred.

7. Wound dressing according to claim 6, characterised in that the carrier material has a low peroxide content, the peroxide number not exceeding the value 10.

8. Wound dressing according to any one of the preceding claims, characterised in that the carrier material contains at least one additive, selected from the group comprising disinfectants, antioxidants, preservatives and moisture-absorbing substances.

9. Adhesive wound dressing for covering bleeding wounds, comprising an active substance-containing carrier material according to any one of the preceding claims 1 to 8, a backing layer connected with the carrier material, and a detachable protective layer, the surface area of the backing layer being larger than that of the carrier material, and at least that surface region of the backing layer which projects beyond the carrier material being equipped with an adhesive surface.

10. Adhesive wound dressing according to claim 9, characterised in that the said adhesive surface of the backing layer projects beyond the carrier material on all sides and forms an adhesive margin.

11. Adhesive wound dressing according to claim 9 or 10, characterised in that the said backing layer is made from a rigid or flexible or elastic material, in particular of a metal foil or a plastic film, or of a composite material

which is made up of two or more of the mentioned materials; metallised polymer films, preferably polymer films metallised with aluminium, being particularly preferred.

12. Adhesive wound dressing according to any one of the preceding claims, characterised in that the said adhesive surface or the adhesive margin is formed by a pressure-sensitive adhesive layer preferably consisting of a polymer matrix which may contain one or more additives.

13. Adhesive wound dressing according to claim 12, characterised in that the polymer matrix contains a pressure-sensitive adhesive base polymer or a combination of at least two pressure-sensitive adhesive base polymers, the polymer(s) preferably being selected from the group comprising natural rubber, synthetic rubber, poly(meth)acrylic acid, poly(meth)acrylates, poly(meth)acrylate copolymers and combinations thereof.

14. Adhesive wound dressing according to claim 12 or 13, characterised in that the polymer matrix contains one or more additives selected from the group of the plasticisers, tackifiers, stabilisers, carrier substances and fillers.

15. Wound dressing or adhesive wound dressing according to any one of the preceding claims, characterised in that it is singly packed in an oxygen-impervious packaging material and is preferably, in addition, protected against action of light.

16. Process for the production of a wound dressing or an adhesive wound dressing according to any one of the preceding claims, the process at least comprising the following steps:

- a) degassing a defined amount of a solvent or solvent mixture, using a light-impermeable vessel, or selecting and providing a solvent or solvent mixture which does not adversely affect the stability of a medicinal substance that is unstable in the presence of oxygen;
- b) adding a defined amount of the vasoconstrictive medicinal substance adrenaline or one of its pharmaceutically acceptable salts;
- c) dissolving the medicinal substance(s) in the solvent or solvent mixture;
- d) removing a partial amount of the solution and dripping the same onto the said carrier material;
- e) drying and removing the solvent or solvent mixture;
- f) if required, repeating steps d) and e).

17. Process according to claim 16, characterised in that at least one further vasoconstrictive medicinal substance is added.

18. Process for the manufacture of an adhesive wound dressing according to any one of claims 9 to 15, said process, in addition to the steps mentioned in claim 16, comprising the following steps:

- g) Sticking the carrier material containing the medicinal substance to the adhesive surface of the said backing layer;
- h) covering the adhesive surface and the carrier material with the detachable protective layer.

19. Process for the production of an adhesive wound dressing according to any one of claims 9 to 15, comprising the following steps:

- i) coating the surface of a backing layer with a pressure-sensitive adhesive layer, or providing a backing layer which comprises a pressure-sensitive adhesive surface;
- ii) applying or sticking the carrier material to the adhesive surface of the backing layer;
- iii) preparing an active substance-containing solution and dripping same onto the carrier material, as described in claim 16;
- iv) covering the active substance-impregnated carrier material and the adhesive surface of the backing layer with the detachable protective film.

20. Process according to claim 18 or 19, containing the following additional steps:

- m) punching out individual surface pieces having a defined surface shape and surface size;
- n) packaging the individual surface pieces in one package per piece, the package consisting of an oxygen-impervious and preferably also light-impermeable packaging material.

21. Process according to any one of the preceding claims, characterised in that the dripping and drying is carried out under exclusion of air, preferably under protective gas.

22. Process according to any one of the preceding claims, characterised in that the carrier material used has a low peroxide content, the peroxide number not exceeding the value 10.

23. Use of a wound dressing or an adhesive wound dressing according to any one of the preceding claims for the treatment of bleeding wounds, especially for the administration of adrenaline to bleeding wounds for the purpose of stopping the bleeding.

24. Use of a vasoconstrictive medicinal substance for the production of a ready-made wound dressing or an adhesive wound dressing for the treatment of bleeding wounds, wherein adrenaline or one of its pharmaceutically acceptable salts is preferably used as the medicinal substance.